

COAL RESOURCE OCCURRENCE MAP OF THE SAYLE HALL QUADRANGLE,  
POWDER RIVER COUNTY, MONTANA  
BY  
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE  
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OPEN-FILE REPORT  
This report has not been edited for conformity with  
U.S. Geological Survey editorial standards or  
stratigraphic nomenclature.

EXPLANATION

STRIPPING-LIMIT LINE—Boundary for surface mining  
of the coal bed (in this quadrangle, the 500-foot  
overburden isopach). Arrows point toward the area  
suitable for surface mining. Recovery factor of 85 percent  
within that area of this quadrangle.

NON-FEDERAL COAL LAND—Land for which the  
Federal Government does not own the coal rights.

BOUNDARY OF COAL 5 FEET OR MORE THICK—  
Drawn along the outcrop of coal bed and/or the inferred  
contact between burned and unburned coal, and/or  
the 5-foot coal isopach. Arrows point toward area of coal  
5 feet or more thick.

POINT OF MEASUREMENT ON COAL BED

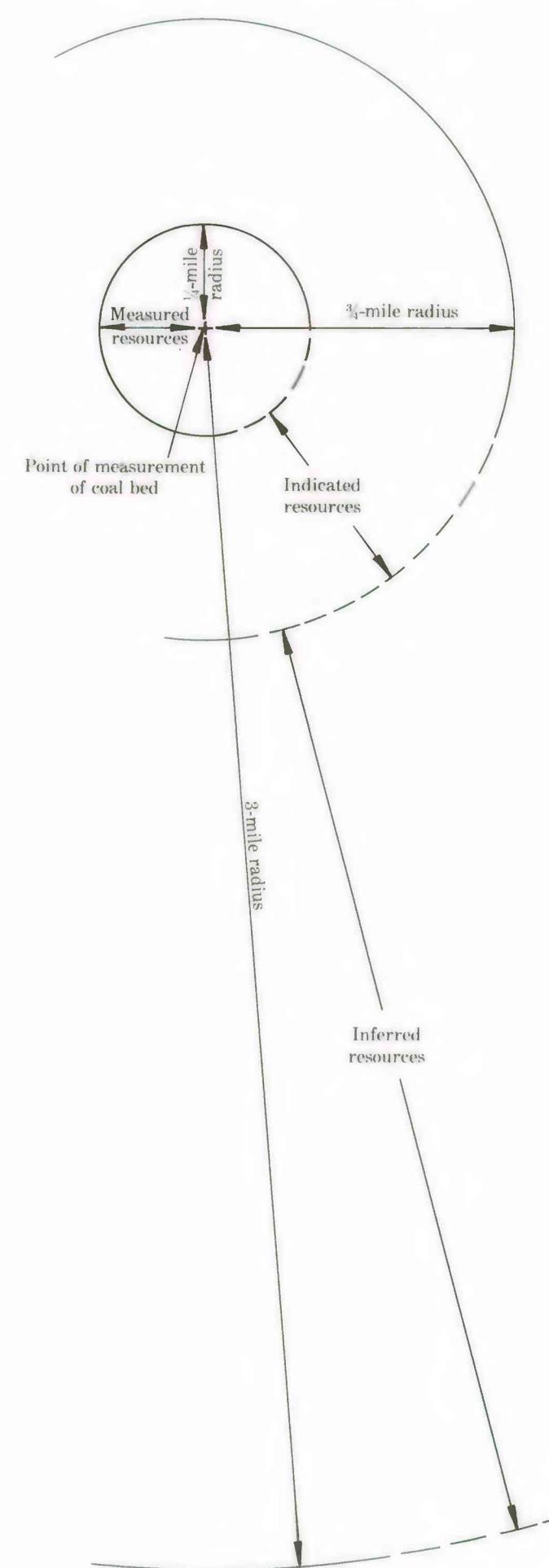


DIAGRAM SHOWING COMPONENT AREAS OF IDENTIFIED COAL RESOURCES—Shows arcuate boundary lines enclosing areas of measured, indicated, and inferred coal resources. Boundaries of areas are dashed where projected from an adjacent quadrangle. Areas of measured, indicated, or inferred resources may be present in this map without their outer boundaries being shown.

IDENTIFIED COAL RESOURCES—Showing totals for Reserve Base (RB) and Reserves (R), millions of short tons, for each section or part(s) of a section of Federal coal land within the stripping-limit line. Dash indicates no resources in that category. Reserve Base (RB) X the Recovery Factor (85 percent) = Reserves (R).

RB — (Measured resources)  
0.29 0.25 (Indicated resources)  
9.13 7.76 (Inferred resources)

IDENTIFIED COAL RESOURCES—Showing totals for Reserve Base (RB), in millions of short tons, for each section or part(s) of a section of Federal coal land outside the stripping-limit line. Dash indicates no resources in that category.

To convert short tons to metric tons, multiply short tons by 0.9072.

To convert feet to meters, multiply feet by 0.3048.

To convert miles to kilometers, multiply miles by 1.61.